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PATENT

Attorney's Docket No. 3008-33751

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of:

Inventor: Richard S. Ketcham

For: **OPTIMIZED PIEZOELECTRIC RESONATOR-BASED NETWORKS AND ASSOCIATED METHOD**

Enclosed are:

- [X] 26 pages of specification, 5 pages of claims, an abstract and a Combined Declaration and Power of Attorney.
[X] 25 sheet(s) of informal drawings.
[] An assignment of the invention to: _____ application.
[] A certified copy of a _____ application.
[] Associate Power of Attorney.
[] Verified Statement(s) (Declaration) Claiming Small Entity Status
[X] Independent Inventor (37 CFR 1.9(f) and 1.27(b))
[X] Small Business Concern (37 CFR 1.9(f) and 1.27(c))
[] Nonprofit Organization (37 CFR 1.9(f) and 1.27(d))
[] Non-Inventor Supporting a Claim by Another for Small Entity Status (37 CFR 1.9(c) and 1.27(b))
[] Information Disclosure Statement
[] Form PTO-1449 and copies of documents listed thereon.

CLAIMS AS FILED

For	Number Filed	Number Extra	Rate	Basic Fee \$315.00
Total Claims	17	- 20 = 0	x \$10.00	= 0.00
Independent Claims	5	- 3 = 2	x \$30.00	= 60.00
Multiple Dependent Claim Fee			\$100.00	
TOTAL FILING FEE				\$375.00

- [] Please charge our Deposit Account No. 02-4550 in the amount of \$_____. This sheet is submitted in triplicate.
[X] The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the filing of this application and recording any assignment filed herewith, or credit over-payment, to Account No. 02-4550. A duplicate copy of this sheet is enclosed.
[X] A check in the amount of \$375.00 to cover [X] filing fee and [] assignment recordal fee is enclosed.

Respectfully,

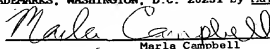
KLARQUIST, SPARKMAN, CAMPBELL,
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Date: December 14, 1990

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CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Office on December 14, 1990 in an "Express Mail Post Office to Addressee" envelope Mailing Label No. B1560005W addressed to: BOX PATENT APPLICATION, COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 by Marie Campbell
Marie Campbell